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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748,042	12/29/2003	Diego Raul Mazzola	TI-35316	6807
23494 7590 08/02/2007 TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999 DALLAS, TX 75265			EXAMINER BELANI, KISHIN G	
			ART UNIT 2143	PAPER NUMBER
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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**Office Action Summary**

Application No.

10/748,042

Applicant(s)

MAZZOLA, DIEGO RAUL

Examiner

Kishin G. Belani

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>12/29/2003</u> | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Information Disclosure Statement*

The information disclosure statement submitted on 12-29-2003 has been considered by the Examiner and made of record in the application file.

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

**Claims 1-4, 6, 8, 10-14, 16, 18-21, 23 and 25 are rejected under 35 U.S.C. 102(e) as being anticipated by Kelton et al. (U.S. Patent Application Publication # 2004/0125779 A1).**

Consider **claim 1**, Kelton et al. show and disclose a method of QoS provisioning a non-QoS capable home LAN device on a home network having a gateway (Figs. 1-5 that show a multimedia server wirelessly linked with wireless devices in various combinations with QoS and non-QoS multimedia rendering devices on a home LAN; paragraph 0008 that discloses an in-home local area network with a server providing

Art Unit: 2143

access to the Internet for the connected devices; paragraph 0174 that discloses QoS features of the invention, including reserving longer timeslots (in a TDMA transmission) for "preferred" customers, so as to provide them with larger bandwidth than the non-QoS customers; paragraph 0057, lines 4-9 which disclose that the multimedia server 42 of Fig. 2 may be incorporated within a modem of a gateway), comprising:

requesting the QoS needs of the non-QoS capable home LAN device (paragraph 0014, that describes the QoS needs of the non-QoS capable home LAN devices; paragraph 0017 that discloses a method for allocating communication channel capacity in a WLAN among a plurality of clients);

provisioning the QoS needs of the non-QoS capable device into the gateway utilizing a reservation protocol (paragraphs 0015-0022 that disclose different provisioning methods used by the server (incorporated in the gateway) utilizing a reservation protocol); and

transmitting the data communications between the home LAN devices on the home network based on the QoS needs of all the devices on the home network (Fig. 1; paragraph 0052-0053 that describe how the server transmits multimedia data to various devices on the home LAN by multiplexing the data allocated to each device).

Consider **claim 2**, and **as it applies to claim 1 above**, Kelton et al. show and disclose a method wherein provisioning the QoS needs of the non-QoS capable device comprises initiating a reservation with the gateway on behalf of the non-QoS capable device (paragraphs 0014-0015 that describe the QoS needs of a non-QoS capable device, and how the multimedia server of Fig.1 provisions for those needs by

Art Unit: 2143

appropriately reserving and then allocating channel resources for the non-QoS capable devices).

Consider **claim 3**, and **as it applies to claim 1 above**, Kelton et al. disclose a method wherein transmitting the data communications comprises:

prioritizing the data communications traffic between a plurality of home LAN devices on the home network based on the QoS needs of all the QoS capable and non-QoS capable devices on the home network (paragraph 0015 that describes different scenarios that require time-changing needs of client devices and channel resources, as well as priority based resource allocation; paragraph 0174 that also discloses priority bases resource allocations); and

adjusting the QoS parameters of the QoS capable home LAN devices based on the traffic priorities established (paragraph 0015 that discloses several adjustments to the QoS parameters of the QoS capable home LAN devices based on the traffic priorities established).

Consider **claim 4**, and **as it applies to claim 1 above**, Kelton et al. disclose a method wherein requesting the QoS needs of a non-QoS capable home LAN device comprises:

running an HTTP protocol on a web browser associated with the gateway to manually poll a user for the one or more QoS parameters of the non-QoS capable home LAN device on the home network (paragraph 0060, lines 3-13 that disclose the multimedia server running web browser applications and receiving requests from wireless devices

Art Unit: 2143

46-54, for their respective clients 26-34, an indication of desire to access the wide area network 44); and

receiving and storing the one or more QoS parameters in the gateway (paragraph 0015, lines 5-9 that disclose a user or a system administrator providing client priority level to receive QoS preference; paragraph 0021, lines 10-13 that disclose the same details).

Consider **claim 6**, and **as it applies to claim 1 above**, Kelton et al. disclose a method wherein the provisioning the QoS needs of the device into the gateway utilizing the reservation protocol comprises employing a manual reservation operation (paragraph 0020, lines 8-11 which disclose that unequal access time to communication channels may be assigned based on each client's desired channel consumption, desired quality of service, etc., thereby disclosing a manual reservation operation).

Consider **claim 8**, and **as it applies to claim 1 above**, Kelton et al. show and disclose the claimed method, including regulating traffic on the home LAN for each home LAN device associated therewith based on a prioritization of a QoS parameter provisioned by the non-QoS capable home LAN device on the home network (Fig. 23 that shows different TDMA slot widths being set up for different client types; paragraph 0174 that discloses priority assignments for "preferred" customers, by regulating the width of the timeslots (in TDMA transmission mode) that controls the bandwidth a given client may use (a QoS parameter) provisioned by the non-QoS capable home LAN device on the home network.

Consider **claim 10**, Kelton et al. show and disclose a method of QoS provisioning a non-QoS capable home LAN device on a home network (Figs. 1-5 that show a multimedia server wirelessly linked with wireless devices in various combinations with QoS and non-QoS multimedia rendering devices on a home LAN; paragraph 0008 that discloses an in-home local area network with a server providing access to the Internet for the connected devices; paragraph 0174 that discloses QoS features of the invention, including reserving longer timeslots (in a TDMA transmission) for "preferred" customers, so as to provide them with larger bandwidth than the non-QoS customers), comprising: monitoring communication traffic from the non-QoS capable home LAN device on the home network (Fig. 1; paragraph 0047 that describes monitoring the request from a wireless device for providing multimedia data from the non-QoS capable home LAN device on the home network; paragraphs 0050-0053 provide additional details); determining the QoS needs of the non-QoS capable home LAN device based on the traffic of the non-QoS device (paragraph 0014, that describes the process of determining the QoS needs of the non-QoS capable home LAN devices; paragraph 0017 that discloses a method for allocating communication channel capacity in a WLAN among a plurality of clients); provisioning the QoS needs of the device utilizing a reservation protocol (paragraphs 0018-0022 that disclose different provisioning methods used by the server utilizing a reservation protocol); and

Art Unit: 2143

transmitting the data communications between the home LAN devices on the home network based on the QoS needs of all the devices on the home network (Fig. 1; paragraph 0052-0053 that describe how the server transmits multimedia data to various devices on the home LAN by multiplexing the data allocated to each device).

Consider **claim 11**, and **as it applies to claim 10 above**, Kelton et al. show and disclose a method wherein provisioning the QoS needs of the non-QoS capable device comprises initiating the reservation with the gateway on behalf of the non-QoS capable device (paragraphs 0014-0015 that describe the QoS needs of a non-QoS capable device, and how the multimedia server of Fig.1 provisions for those needs by appropriately reserving and then allocating channel resources for the non-QoS capable devices).

Consider **claim 12**, and **as it applies to claim 10 above**, Kelton et al. disclose a method wherein transmitting the data communications comprises:

prioritizing the data communications traffic between a plurality of home LAN devices on the home network based on the QoS needs of all the QoS capable and non-QoS capable devices on the home network (paragraph 0015 that describes different scenarios that require time-changing needs of client devices and channel resources, as well as priority based resource allocation; paragraph 0174 that also discloses priority bases resource allocations); and



Art Unit: 2143

adjusting the QoS parameters of the QoS capable home LAN devices based on the traffic priorities established (paragraph 0015 that discloses several adjustments to the QoS parameters of the QoS capable home LAN devices based on the traffic priorities established).

Consider **claim 13**, and **as it applies to claim 10 above**, Kelton et al. disclose a method further comprising:

establishing a connection between the devices on the home LAN (Fig. 5 that shows client wireless devices 26-34 establishing connection with home LAN devices via multimedia server 132; paragraph 0074 that discloses the same details); and managing an exchange of information between the devices based on the QoS needs of the non-QoS capable device on the network (paragraph 0074 that further discloses how the multimedia server 132 manages an exchange of information between the devices based on the QoS needs of the non-QoS capable device on the network; also paragraph 0174 that discusses the QoS aspect of the disclosed invention).

Consider **claim 14**, and **as it applies to claim 10 above**, Kelton et al. disclose a method wherein the monitoring the traffic from the non-QoS capable home LAN device on the network comprises:

monitoring the data communications from the non-QoS capable device to determine one of a minimum bandwidth, maximum bandwidth, delay, and a QoS parameter or requirement of the device on the home network (paragraph 0176 that discloses the

Art Unit: 2143

multimedia server monitoring the bandwidth requirements of different non-QoS devices on the home network); and

storing the QoS parameter associated with the device in a location accessible to the home network (Fig. 23, that shows different sized TDMA packets being reserved based on the bandwidth requirements of different clients, thereby disclosing that the required bandwidth value for each client is saved in a location accessible to the home network).

Consider **claim 16**, and **as it applies to claim 10 above**, Kelton et al. disclose a method wherein provisioning the QoS needs of the device utilizing the reservation protocol comprises employing a manual reservation operation associated with a proxy interface on the home network (paragraph 0020, lines 8-11 which disclose that unequal access time to communication channels may be assigned based on each client's desired channel consumption, desired quality of service, etc., thereby disclosing a manual reservation operation).

Consider **claim 18**, and **as it applies to claim 10 above**, Kelton et al. show and disclose the claimed method, including regulating traffic on the home LAN for each home LAN device based on a prioritization of a QoS parameter provisioned by the non-QoS capable home LAN device on the home network (Fig. 23 that shows different TDMA slot widths being set up for different client types; paragraph 0174 that discloses priority assignments for "preferred" customers, by regulating the width of the timeslots (in TDMA transmission mode) that controls the bandwidth a given client may use (a

QoS parameter) provisioned by the non-QoS capable home LAN device on the home network.

Consider **claim 19**, Kelton et al. show and disclose a method of QoS provisioning a non-CH compatible home LAN device on a home network using a gateway having a portal service proxy interface (Figs. 1-5 that show a multimedia server wirelessly linked with wireless devices in various combinations with QoS and non-QoS multimedia rendering devices on a home LAN; paragraph 0008 that discloses an in-home local area network with a server providing access to the Internet for the connected devices; paragraph 0174 that discloses QoS features of the invention, including reserving longer timeslots (in a TDMA transmission) for "preferred" customers, so as to provide them with larger bandwidth than the non-QoS customers), the method comprising: requesting the QoS needs of a non-CH compatible home LAN device from a client using the portal service proxy interface (paragraph 0014, that describes the QoS needs of the non-QoS capable home LAN devices; paragraph 0017 that discloses a method for allocating communication channel capacity in a WLAN among a plurality of clients); provisioning the QoS needs of the device into the gateway utilizing a reservation protocol (paragraphs 0018-0022 that disclose different provisioning methods used by the server utilizing a reservation protocol); prioritizing the data communications traffic between a plurality of home LAN devices on the home network based on the QoS needs of the CH capable and non-CH compatible devices on the home network (paragraph 0015 that describes different scenarios that

Art Unit: 2143

require time-changing needs of client devices and channel resources, as well as priority based resource allocation; paragraph 0174 that also discloses priority bases resource allocations);

adjusting the QoS parameters of all the CH capable home LAN devices based on the established traffic priorities (paragraph 0015 that discloses several adjustments to the QoS parameters of the QoS capable home LAN devices based on the traffic priorities established); and

transmitting the data communications between the home LAN devices on the home network based on the QoS needs of the devices on the home network (Fig. 1; paragraph 0052-0053 that describe how the server transmits multimedia data to various devices on the home LAN by multiplexing the data allocated to each device).

Consider **claim 20**, and **as it applies to claim 19 above**, Kelton et al. show and disclose a method wherein provisioning the QoS needs of the device into the gateway comprises initiating the reservation from the gateway on behalf of the non-CH compatible device to the other home LAN devices on the home network (paragraphs 0014-0015 that describe the QoS needs of a non-QoS capable device, and how the multimedia server of Fig.1 provisions for those needs by appropriately reserving and then allocating channel resources for the non-QoS capable devices).

Consider **claim 21**, and **as it applies to claim 19 above**, Kelton et al. disclose a method wherein requesting the QoS needs of a non-CH compatible home LAN device from a client using the portal service proxy interface comprises:  
running an HTTP protocol on a web browser to manually poll the client for the one or more QoS parameters of the non-CH compatible home LAN device on the home network (paragraph 0060, lines 3-13 that disclose the multimedia server running web browser applications and receiving requests from wireless devices 46-54, for their respective clients 26-34, an indication of desire to access the wide area network 44);  
and receiving and storing the one or more QoS parameters in the gateway (paragraph 0015, lines 5-9 that disclose a user or a system administrator providing client priority level to receive QoS preference; paragraph 0021, lines 10-13 that disclose the same details).

Consider **claim 23**, and **as it applies to claim 19 above**, Kelton et al. disclose a method wherein provisioning the QoS needs of the device into the gateway utilizing the reservation protocol comprises employing a manual reservation operation (paragraph 0020, lines 8-11 which disclose that unequal access time to communication channels may be assigned based on each client's desired channel consumption, desired quality of service, etc., thereby disclosing a manual reservation operation).

Consider **claim 25**, and **as it applies to claim 19 above**, Kelton et al. show and disclose the claimed method, including regulating traffic on the home LAN for each

Art Unit: 2143

home LAN device based on a prioritization of a QoS parameter provisioned of the non-CH compatible home LAN device on the home network (Fig. 23 that shows different TDMA slot widths being set up for different client types; paragraph 0174 that discloses priority assignments for "preferred" customers, by regulating the width of the timeslots (in TDMA transmission mode) that controls the bandwidth a given client may use (a QoS parameter) provisioned by the non-QoS capable home LAN device on the home network.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

**Claims 5, 9, 15 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kelton et al. (U.S. Patent Application Publication # 2004/0125779**

Art Unit: 2143

**A1) in view of Widegren et al. (U.S. Patent Application Publication # 2002/0120749 A1).**

Consider **claim 5**, and **as it applies to claim 1 above**, Kelton et al. show and disclose the claimed method, except wherein the provisioning the QoS needs of the non-QoS capable home LAN device into the gateway comprises transmitting the QoS needs to an subnet bandwidth manager associated with the home network using the reservation protocol.

In the same field of endeavor, Widegren et al. do show and disclose that provisioning the QoS needs of the non-QoS capable home LAN device into the gateway comprises transmitting the QoS needs to an subnet bandwidth manager associated with the home network using the reservation protocol (Fig. 3, non-QoS provisioned "Host" to the right, transmitting its QoS needs to a subnet bandwidth manager labeled "R" to the left of the "Host"; paragraph 0013 that discloses the same details).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to provide a QoS-enabled subnet bandwidth manager that can direct the QoS needs of a non-QoS capable home LAN device to the gateway capable of using the reservation protocol, as taught by Widegren et al., in the method of Kelton et al., so that the non-QoS provisioned device can provide QoS services by using the gateway as a proxy for RSVP protocol initiation.

Consider **claim 9**, and **as it applies to claim 1 above**, Kelton et al. show and disclose the claimed method, except wherein the requesting of the QoS needs of the non-QoS capable home LAN device is performed using a portal service proxy interface.

In the same field of endeavor, Williams et al. do show and disclose that wherein the requesting of the QoS needs of the non-QoS capable home LAN device is performed using a portal service proxy interface (Fig. 3, Non-RSVP Host 88 (rightmost) using a portal service proxy interface labeled "Proxy"; paragraph 0013 that discloses the same details).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to use a portal service proxy interface while requesting the QoS needs of a non-QoS capable home LAN device, as taught by Williams et al., in the method of Kelton et al., so that the non-QoS provisioned device can provide QoS services by using the gateway as a proxy for RSVP protocol initiation.

Consider **claim 15**, and **as it applies to claim 10 above**, Kelton et al. show and disclose the claimed method, except wherein provisioning the QoS needs of the device utilizing the reservation protocol comprises employing a subnet bandwidth manager associated with home network.

In the same field of endeavor, Widegren et al. do show and disclose that provisioning the QoS needs of the non-QoS capable home LAN device into the gateway comprises transmitting the QoS needs to a subnet bandwidth manager associated with the home network using the reservation protocol (Fig. 3, non-QoS provisioned "Host" to



Art Unit: 2143

the right, transmitting its QoS needs to a subnet bandwidth manager labeled "R" to the left of the "Host"; paragraph 0013 that discloses the same details).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to provide a QoS-enabled subnet bandwidth manager that can direct the QoS needs of a non-QoS capable home LAN device to the gateway capable of using the reservation protocol, as taught by Widegren et al., in the method of Kelton et al., so that the non-QoS provisioned device can provide QoS services by using the gateway as a proxy for RSVP protocol initiation.

Consider **claim 22**, and **as it applies to claim 19 above**, Kelton et al. show and disclose the claimed method, except wherein the provisioning into the gateway the QoS needs of the device utilizing the reservation protocol comprises employing a subnet bandwidth manager associated with the home network.

In the same field of endeavor, Widegren et al. do show and disclose that provisioning the QoS needs of the non-QoS capable home LAN device into the gateway comprises transmitting the QoS needs to an subnet bandwidth manager associated with the home network using the reservation protocol (Fig. 3, non-QoS provisioned "Host" to the right, transmitting its QoS needs to a subnet bandwidth manager labeled "R" to the left of the "Host"; paragraph 0013 that discloses the same details).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to provide a QoS-enabled subnet bandwidth manager that can direct the QoS needs of a non-QoS capable home LAN device to the gateway

Art Unit: 2143

capable of using the reservation protocol, as taught by Widegren et al., in the method of Kelton et al., so that the non-QoS provisioned device can provide QoS services by using the gateway as a proxy for RSVP protocol initiation.

**Claims 7, 17 and 24** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Kelton et al. (U.S. Patent Application Publication # 2004/0125779 A1)** in view of **Williams et al. (U.S. Patent Application Publication # 2002/0133600 A1)**.

Consider **claim 7**, and **as it applies to claim 1 above**, Kelton et al. show and disclose the claimed method, except wherein the provisioning the QoS needs of the device into the gateway utilizing the reservation protocol comprises employing an automatic reservation detection operation.

In the same field of endeavor, Williams et al. do show and disclose that provisioning the QoS needs of the device into the gateway utilizing the reservation protocol comprises employing an automatic reservation detection operation (Figs. 6, non-enabled RSVP Host 88 using GGSN 96 as RSVP Proxy for provisioning its QoS needs; Fig. 8, PDP Context Request block with RSVP Proxy Flag included, the flag value set by the non-QoS provisioned host 88, to employ an automatic reservation detection operation by the gateway 96; paragraph 0050, lines 1-19 that disclose the same details).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ an automatic reservation detection operation

Art Unit: 2143

between a non-QoS-enabled device and its RSVP Proxy, as taught by Williams et al., in the method of Kelton et al., so that the non-QoS provisioned device can provide QoS services by using the gateway as a proxy for RSVP protocol initiation.

Consider **claim 17**, and **as it applies to claim 10 above**, Kelton et al. show and disclose the claimed method, except wherein provisioning the QoS needs of the device utilizing the reservation protocol comprises employing an automatic reservation detection interface associated with the home network.

In the same field of endeavor, Williams et al. do show and disclose that provisioning the QoS needs of the device into the gateway utilizing the reservation protocol comprises employing an automatic reservation detection operation (Figs. 6, non-enabled RSVP Host 88 using GGSN 96 as RSVP Proxy for provisioning its QoS needs; Fig. 8, PDP Context Request block with RSVP Proxy Flag included, the flag value set by the non-QoS provisioned host 88, to employ an automatic reservation detection operation by the gateway 96; paragraph 0050, lines 1-19 that disclose the same details).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ an automatic reservation detection operation between a non-QoS-enabled device and its RSVP Proxy, as taught by Williams et al., in the method of Kelton et al., so that the non-QoS provisioned device can provide QoS services by using the gateway as a proxy for RSVP protocol initiation.

Consider **claim 24**, and **as it applies to claim 19 above**, Kelton et al. show and disclose the claimed method, except wherein provisioning the QoS needs of the device into the gateway utilizing the reservation protocol comprises employing an automatic reservation detection operation.

In the same field of endeavor, Williams et al. do show and disclose that provisioning the QoS needs of the device into the gateway utilizing the reservation protocol comprises employing an automatic reservation detection operation (Figs. 6, non-enabled RSVP Host 88 using GGSN 96 as RSVP Proxy for provisioning its QoS needs; Fig. 8, PDP Context Request block with RSVP Proxy Flag included, the flag value set by the non-QoS provisioned host 88, to employ an automatic reservation detection operation by the gateway 96; paragraph 0050, lines 1-19 that disclose the same details).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ an automatic reservation detection operation between a non-QoS-enabled device and its RSVP Proxy, as taught by Williams et al., in the method of Kelton et al., so that the non-QoS provisioned device can provide QoS services by using the gateway as a proxy for RSVP protocol initiation.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US Patent Application Publication # 2003/0115311 A1, inventors: Johnston- Watt et al.

Art Unit: 2143

filed 11/27/2002

US Patent Application Publication # 2004/0090924 A1, inventors: Giaimo et al.,

filed 11/04/2003

Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Art Unit: 2143

**Hand-delivered responses** should be brought to

Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Kishin G. Belani whose telephone number is (571) 270-1768. The Examiner can normally be reached on Monday-Thursday from 6:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

Art Unit: 2143

applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-0800.

*Kishin G. Belani*

K.G.B./kgb

July 18, 2007

  
**DAVID WILEY**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**